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## Machine

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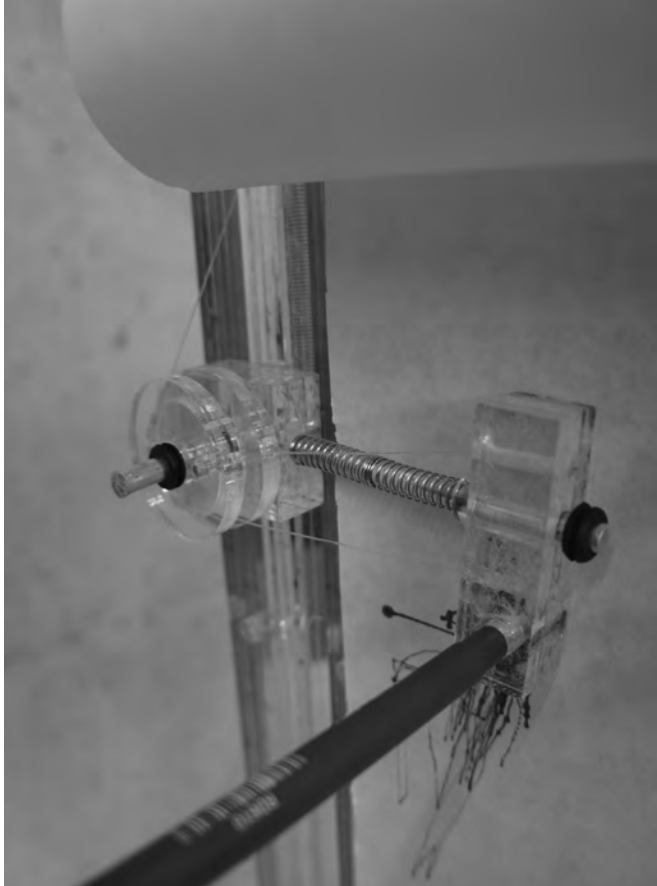
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## MACHINE

**Jacob Duncan**

Arch 202 / Patrick Rhodes, critic

Inspired by the lineographic images created by an Etch-A-Sketch, we designed our machine to map movements of the human body. The end goal was to be able to compare the same set of motions over a period of time to see if/how we perform those motions differently as we age. The machine is controlled by anchor points on the wearer's hands and feet; increasing the distance of these points from the wearer's body will result in either a horizontal line (determined by the arms) or vertical line (legs). The machine is calibrated by specifying a "home base" for all of your limbs so the drawings may be interpreted as a differentiation from your starting position. This allowed it to record moments of tension and compression in limbs. Working through this project was especially useful in helping us break away from habit of designing with preconceived notions of how things should work and instead focusing on creating an innovative solution to a previously unanswered question.

